



# Expert Consultation and Meetings on enhancing geospatial information management arrangements and accelerating the implementation of the SDGs

Including the third plenary meeting of the High-level Group of the Integrated Geospatial Information Framework, the meeting of the Expanded Bureau of the Committee of Experts, and the meting and workshops of the SDG Data Alliance

Instituto Nacional de Estadística y Geografía (INEGI)

# The UN-IGIF in México

Progress and challenges in implementation

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- 3. Migrating to UN-GGIM methodology
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- 5. Next steps
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# 1. Background



### 1.1 A bit of history

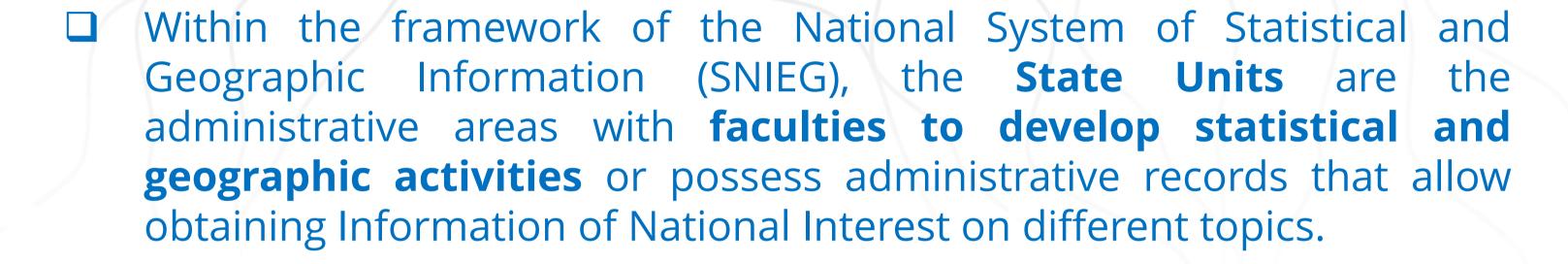
- □ Since 1962, to describe the territory's geography, work has been done in Mexico. With the improvement of computer equipment and informatic systems in the early 90's, the topics covered by these efforts increased while the time to obtain results decreased.
- In 2008, the National System of Statistical and Geographic Information (LSNIEG) law was enacted, with the aim of "provide, to the state and society, quality, relevant, accurate and timely information, in order to contribute to national development."(1).





### 1.2 INEGI as the SNIEG coordinator







According to the LSNIEG, the **National Institute of Statistics and Geography (INEGI)** is **responsible for regulate and coordinate the activities of this Units**, in accordance to national and international standards, and the best practices in the matter.



# 2. First steps



### 2.1 Participation in the IGIF International Seminar



Title: Why implement the Integrated

Geospatial Information Framework

(IGIF) in my country?

**Date**: July 7, 2022

**Modality**: Online

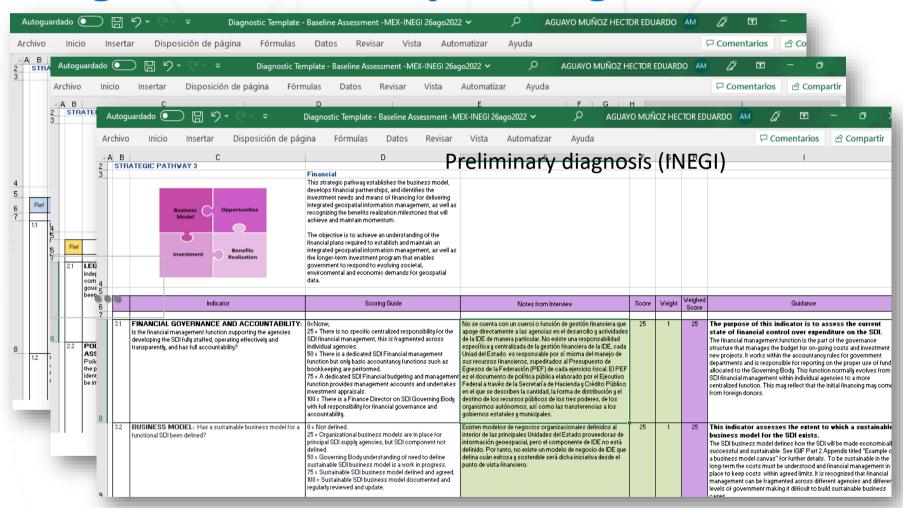
Organized by the Board of Directors of UN-GGIM Americas and the CARIGEO Coordinating Committee, with the collaboration of UN-GGIM Secretariat and the IGIF High Level Group.



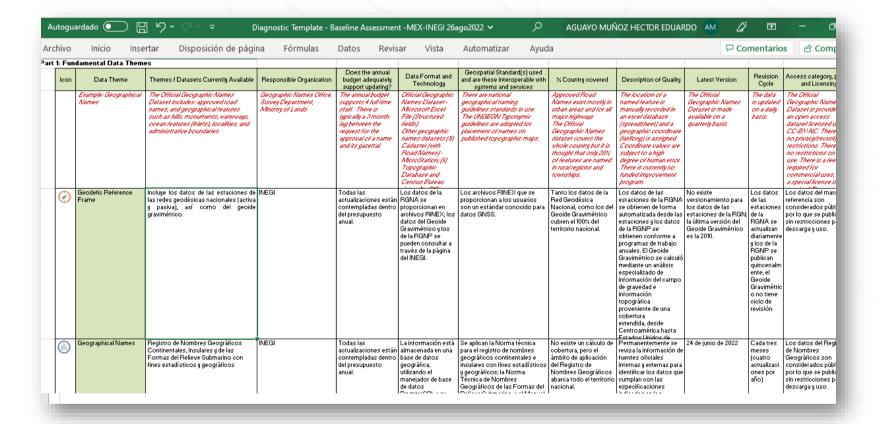
## 2.2 World Bank Methodology

### 1. Preliminary diagnosis (INEGI)

### Diagnostic sheets by strategic route



#### Data audit





## 2.2 World Bank Methodology

### 2. Template integration

#### I. Baseline assessment

Provides an assessment of the current state of geospatial information management in the country, structured around the nine IGIF pathways.





### **II. Geospatial Alignment with Policy Drivers**

Allows to align government strategic objectives and international commitments with specific geospatial use cases (applications), as well as prioritizing them based on how well they support and accelerate the achievement of these strategic objectives.



# 3. Migrating to UN-GGIM Methodology



# 3.1 Methodological Change



### **Templates (results):**

- Baseline Assessment
- Geospatial Alignment to Policy Drivers
- Socio-Economic Impact Assessment
- Action Plan





### **Templates (results):**

- Stakeholder identification and analysis
- Action Plan (Roadmap)
- Reference survey
- Stakeholder Engagement Workshop
- Environment scanning and analysis
- Current and desired situation assessment
- Strategic alignment
- Gap Analysis Matrix
- Indicators of success
- Action plan at country level



# 4. UN-IGIF implementation progress



# 4.1 Action plan development

# Component One. Execution Plan development

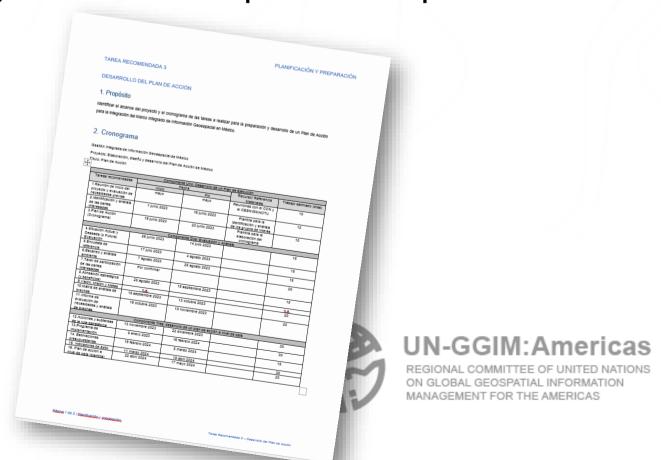
- **/**
- 1. Project Initiation and Pre-needs Assessment
- 2. Stakeholder Identification and Analysis
- 3. Action Plan (Roadmap)

### **Component Two: Assessment and Analysis**

- 4. Baseline Survey
- 5. Stakeholder Engagement Workshop
- 6. Environmental Scanning and Analysis
- 7. Current and Desired Situation Assessment
- 8. Strategic Alignment (and Benefits)
- 9. Vision, Mission and Goals
- 10. Gap Analysis Matrix
- 11. Needs Assessment and Gap Analysis Report

# Component Three: Action plan development

- 12. Actions and subtasks of the strategic route
- 13. Implementation schedule
- 14. Budget estimates
- 15. Success Indicators
- 16. Country level action plan (template)



# 4.2 Stakeholder engagement workshop

### **Baseline Survey**

Instrument

Template integrated with:

- □ **55** questions
- □ **5** levels of response

Key questions sources:

- □ World Bank
- □ UN-GGIM
- **□** ECLAC Consultant



#### Asistencia Técnica Geoespacial del Marco Integrado de Información Geoespacial en Méxic



Implementación del Marco Integrado de Información Geoespacial en México

#### Vía estratégica 1: Gobernanza e instituciones

Preguntas	Selección de Respuesta	Argumentación y Acciones Propuestas
AExiste una Estrategia     Nacional de     Infraestructura de Datos     Espaciales (IDE) que     identifique la visión,     misión, metas y objetivos     de la iniciativa de gestión     de la información     geoespacial	<ul> <li>Ninguna.</li> <li>Se ha formado un comité o grupo de trabajo para formular la estrategia.</li> <li>Se ha creado y firmado una estrategia sectorial por todas las partes interesadas.</li> <li>Se ha acordado una estrategia nacional por las partes interesadas, pero no se integra con estrategias gubernamentales más amplias.</li> <li>Se ha acordado una estrategia nacional por todas las partes interesadas y está alineada con estrategias gubernamentales más amplias.</li> </ul>	
¿Existe una declaración simple que resuma por qué las partes interesadas deberían involucrarse y utilizar la información geoespacial y por qué el gobierno necesita una IDE nacional?	<ul> <li>Ninguna.</li> <li>Existe evidencia anecdótica sobre el valor de una IDE nacional.</li> <li>Se ha realizado una alineación estratégica para identificar las prioridades clave del gobierno.</li> <li>Se ha creado una propuesta de valor a partir de un análisis de impacto socioeconómico, pero no tiene una aceptación generalizada y no ha desencadenado un cambio significativo.</li> <li>Los responsables de la toma de decisiones están plenamente convencidos de la propuesta de valor, derivada de un análisis de impacto socioeconómico completo, y de la importancia de la información geoespacial.</li> </ul>	



# 4.2 Stakeholder engagement workshop



### **Application Universe**

- **26** State Units
- □ 46 people
- 4 workgroups



#### **Achievements:**

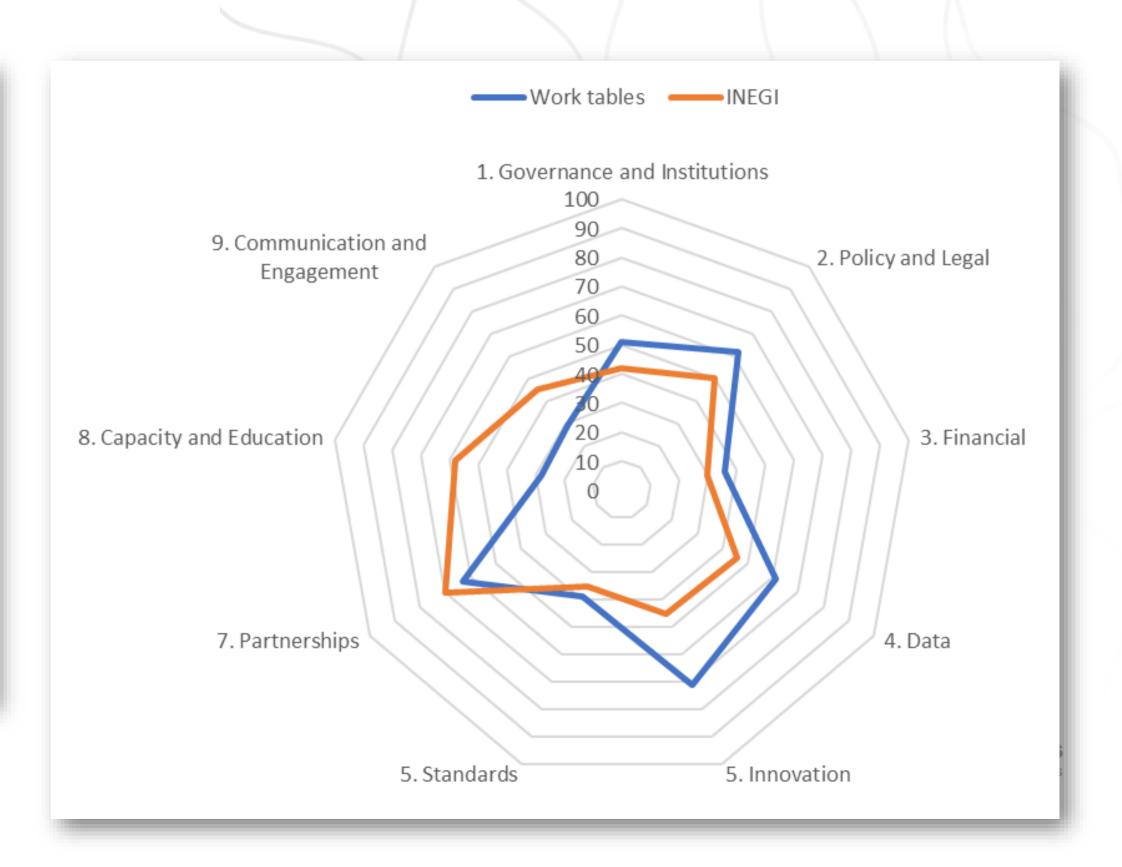
- ☐ There was **significant participation from the EU**,

  enriching the debate and analysis of the workgroups.
- □ Elements were obtained to integrate a national diagnosis.
- Foundations were derived to reduce gaps identified through the proposed actions.
- Proposed actions will serve to guide the National Action Plan, aligned with the programmatic instruments of the SNIEG.

# 4.2 Stakeholder engagement workshop

### **Results Summary**

Strategic Pathway	INEGI	Work tables	Average by Pathway
1. Governance and Institutions	42	51	49
2. Policy and Legal	50	62	60
3. Financial	30	36	35
4. Data	46	61	58
5. Innovation	45	71	65
5. Standards	35	39	38
7. Partnerships	70	63	65
8. Capacity and Education	58	28	34
9. Communication and Engagement	45	29	32
General average	46	48	48



### 4.3 IGIF implementation: Conceptual criteria



- Based on UN-IGIF documents published by UN-GGIM on its official website.
- Adaptation of the main concepts of the UN-IGIF to the legal, regulatory, financial and organizational circumstances of Mexico, within the framework of the National System of Statistical and Geographic Information (SNIEG).
- Announce to the State Units of the SNIEG, other organizations and users involved in the geospatial ambit in Mexico, the conceptual criteria for the implementation of the Framework.



# 5. Next steps



### 5.1 What's next?



### **After the Workshop**

- Evaluate and disseminate the results of the national diagnosis.
- Analyze the proposed actions.
- ☐ Guide the development of the National Action Plan based on the proposed actions.



SNIEG programmatic instruments

#### **National Action Plan**

- ☐ Conclude the evaluation of the current situation versus the desired situation.
- ☐ Complete the evaluation of internal and external factors
- Alignment exercise to national strategic plans
- ☐ Needs Assessment and Gap Analysis Report
- ☐ Define success indicators
- ☐ Conclude our action plan at country level

# Thank you!

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